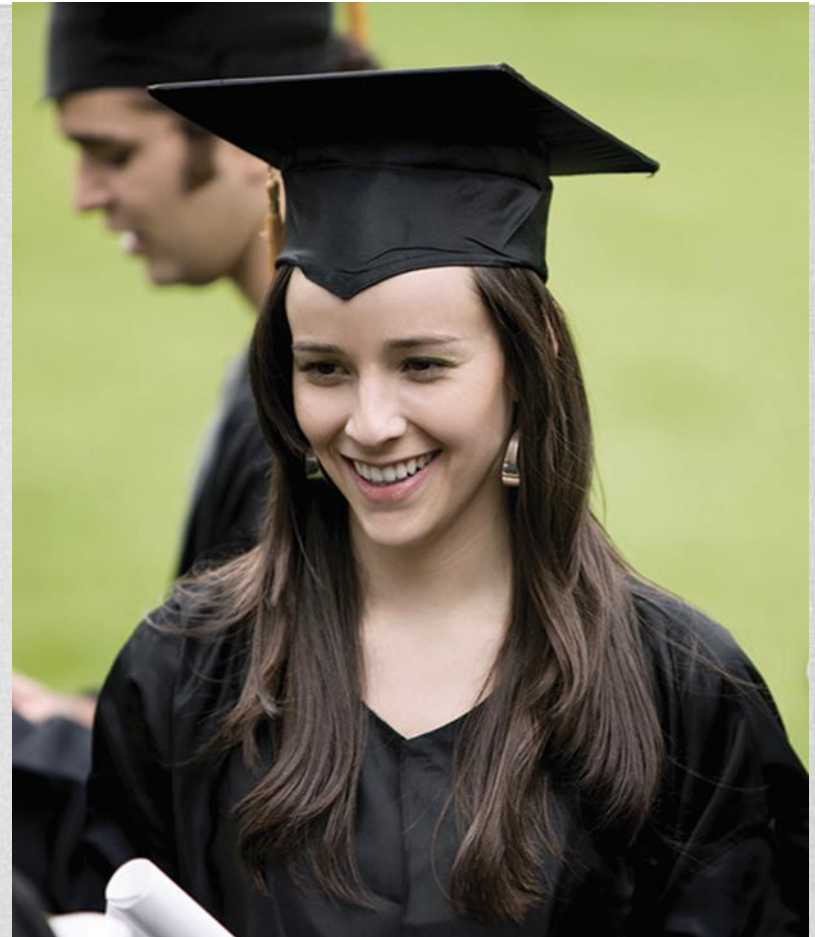


# Program Alignment

*Steve Rayborn | Deputy Administrator*

*July 20, 2015*



# Program Alignment

2

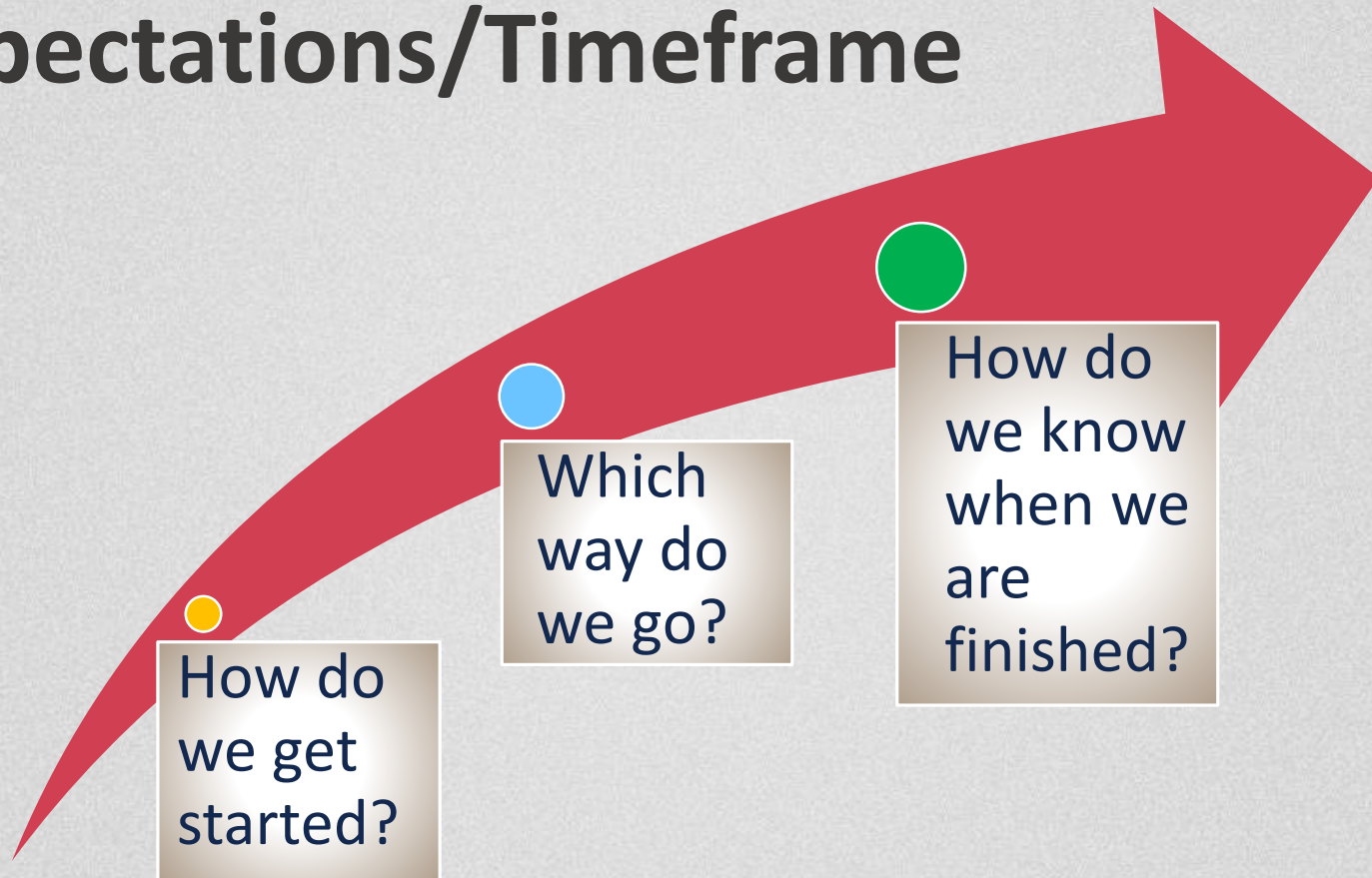




## Goals:

- Increase transition of secondary concentrators
- Create consistent avenue of access to technical programs for secondary graduates
- Substantiate Dual Credit/SkillStack opportunities
- Develop the basis for consistent Vertical Alignment with postsecondary pathways
- Ensure ongoing collaboration between secondary/postsecondary programs

## Expectations/Timeframe



# Secondary Program Types

5

**CLUSTER PROGRAM**

**PATHWAY PROGRAM**

**OCCUPATIONAL PATHWAY  
PROGRAM**

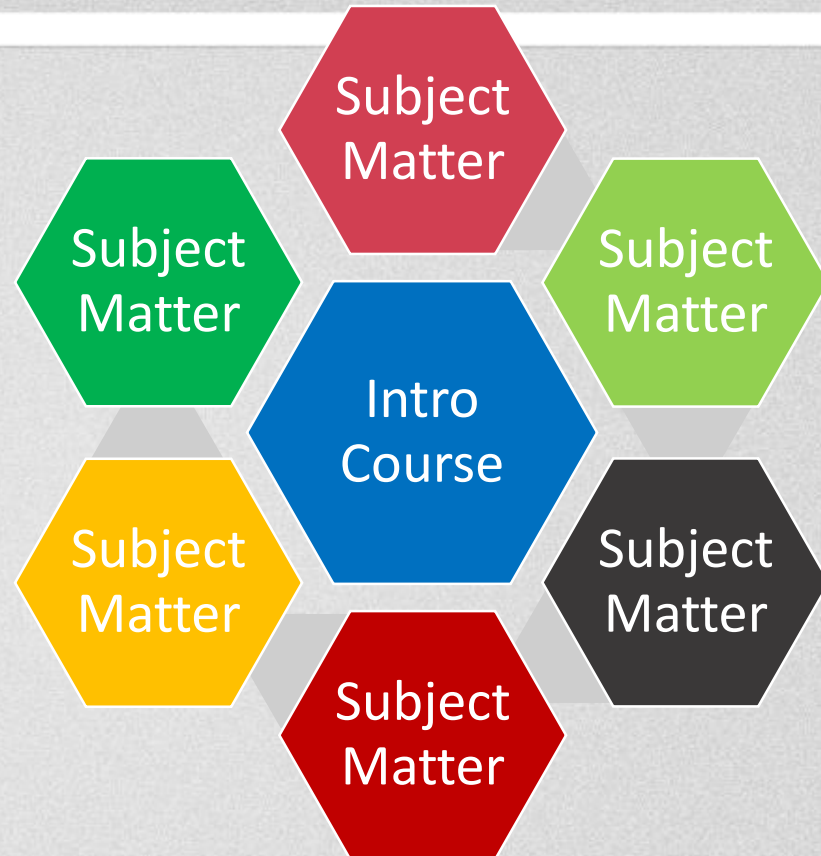


# Secondary Program Types

6

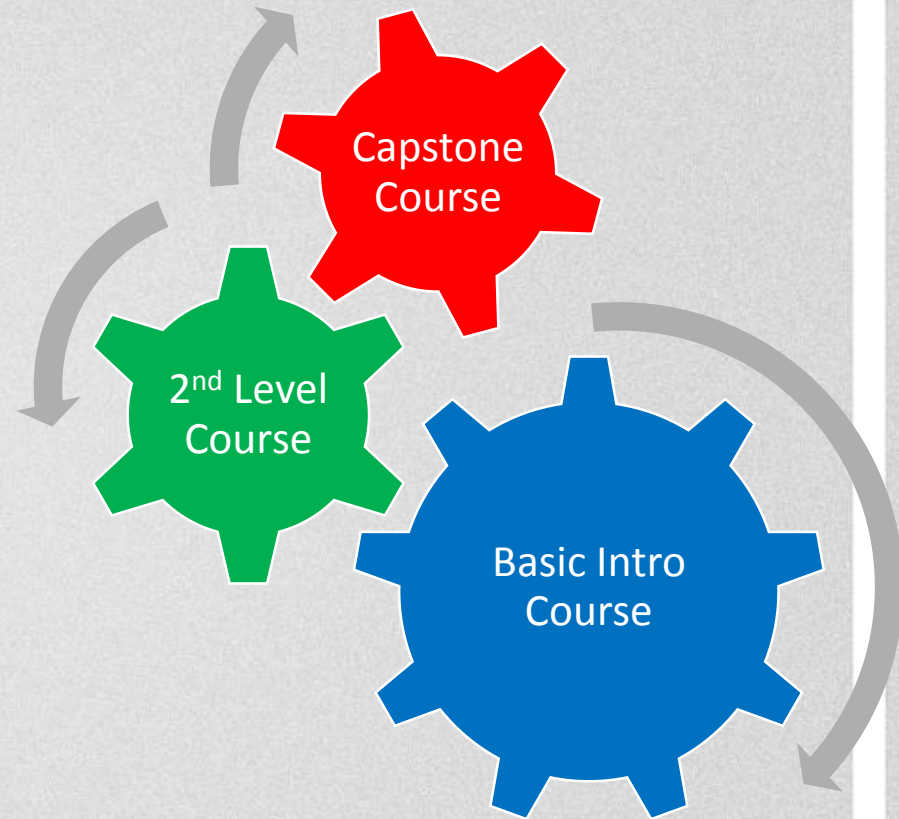
## Cluster Program

- 2 or more years
- Foundation & Intermediate only
- Active PTSO
- Seniors take CTECS – Workforce Readiness Assessment
- Association to PS Program



## Pathway Program

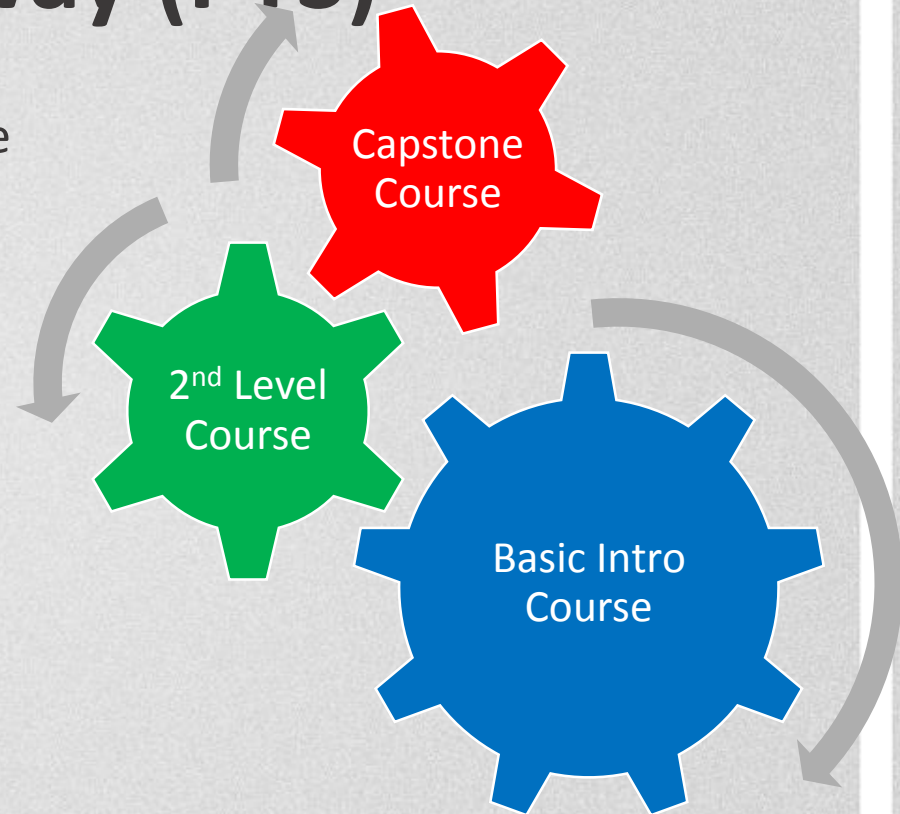
- 2 or more years
- Foundation, Intermediate & Capstone
- Alignment to PS program
- Alignment to Industry standards
- Strong Workplace Readiness alignment
- Active PTSO
- Student Work related experience
- Required TCC for PS credit





## Occupational Pathway (PTS)

- 3 or more years
- Foundation, Intermediate & Capstone
- Alignment to PS program
- Alignment to Industry standards
- Strong Workplace Readiness Alignment
- Active PTSO
- Student Work related experience
- Required Dual Credit courses
- Pathway offered for more than 1 attendance zone
- Teacher Maintains Industry Certification





# Horizontal Alignment Initiative

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## Phase 1

Secondary Standards Alignment; TSA Development

## Phase 2

Postsecondary Horizontal Alignment of First Semester

## Phase 3

Align PTS programs to postsecondary program for dual credit in first semester courses

## Phase 4

Annual Professional Development delivered by PS Instructors at PTE Summer Conference (beginning 2016)

## Phase 5

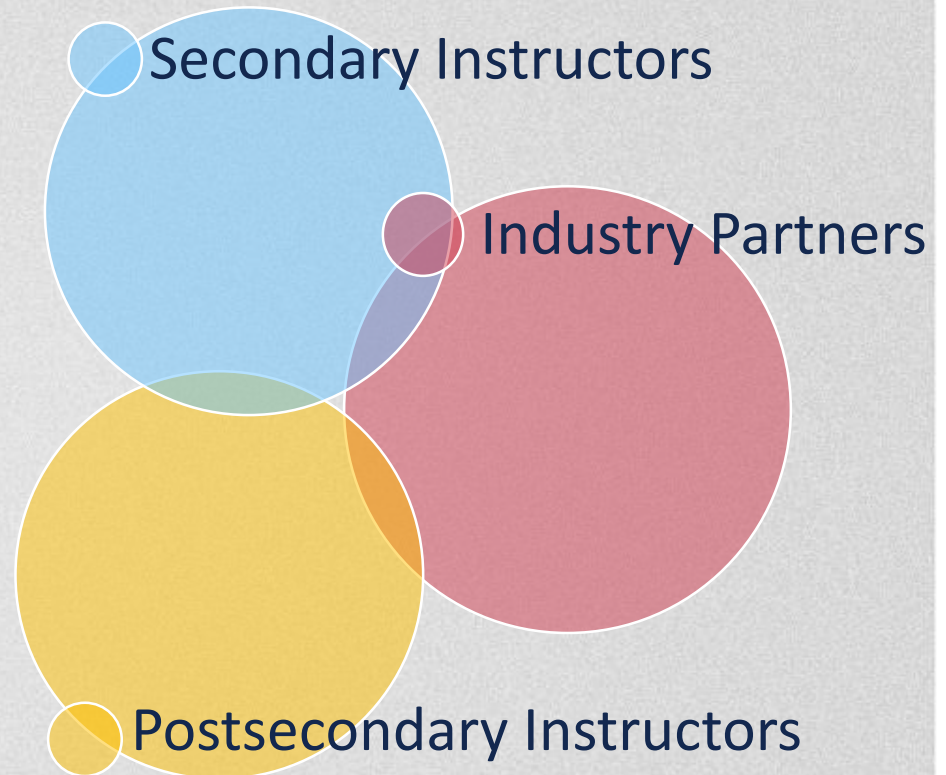
Secondary Course Redesign

# Secondary Standards Alignment – Phase 1

10

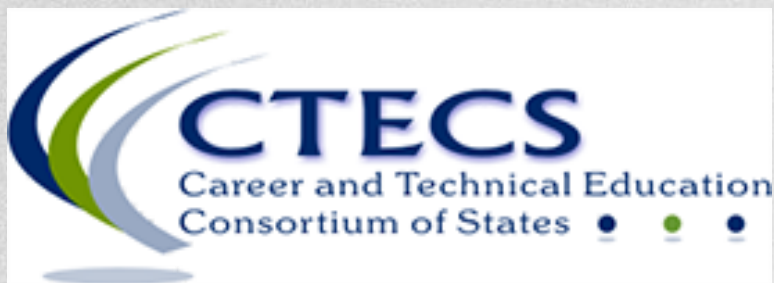
Standards Alignment Team for each program pathway. Meet early fall:

- Program Standards
- Student Outcomes
- Technical Skills Assessment





## Technical Skills Assessments

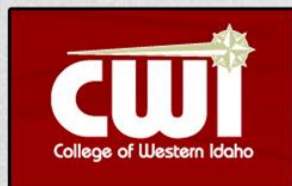




# Post Secondary Horizontal Alignment – Phase 2

12

- Programs identified
- Instructors collaborate
- First Semester courses aligned
- Testing Expectations
- Dual Credit requirements
- Micro-certifications





# Postsecondary Horizontal Alignment

13

## Typical Starting Point

WELD107-Applied Leadership & Safety	1	
WELD132-Thermal Cutting Processes	2	
WELD 149-Basic Blue Printing	2	
WELD154- SMAW Arc Weld 1	2	
WELD156-GMAW&FCAW Mig Weld 1	2	
WELD158- GTAW Tig Welding 1	2	Total 11
WLDTTC270-Directed Welding Projects	4	
WLDTTC150-Welding Power Sources	2	
WLDTTC261-Benchwork for Welders	2	
WLDTTC155-Basic Welding Processes Lab	7	Total 15
WELD0131-Welding Practice 1	12	
WELD1040-Welding Theory	2	
WELD0143-Shop Math 1	2	Total 16
WELD100A-Welding Theory	2	
WELD111-Safety Applications	1	
WELD120-Blueprint Reading	3	
WELD197L-Oxy/Fuel Cutting Lab	1	
WELD181L-Welding Lab 1	5	Total 12
MAT104-Welding Math	3	
MTD101-Industrial Safety and Report Wrtg	3	
WELD117-Welding Theory & Metallurgy	4	
WLD118-Arc Welding	4	Total 14

## Completed Alignment Example

<b>WELDXXX-Applied Leadership &amp; Safety</b>	2
PS 1.1 Demonstrate General Lab Safety Rules	
PS 1.2 Identify & Utilize Proper Tools	
PS 1.3 Identify & Utilize Proper Power Equipment	
PS 1.4 Demonstrate Workplace Readiness Skills	
<b>WELD XXX-Basic Blue Printing</b>	2
PS 2.1 Demonstrate Proper Print Reading & Identification	
PS 2.2 Demonstrate Measuring & Scaling Techniques	
PS 2.3 Utilize Layout Principles & Practices	
<b>WELDXXX- Welding Theory 1</b>	2
PS 3.1 Identify Material Properties & Science	
PS 3.2 Identify Filler Metals	
PS 4.1 Safety Procedures	
<b>WELDXXX- SMAW Weld 1</b>	4
PS 4.1 SMAW Safety Procedures	
PS 4.2 Produce Welds using SMAW on Carbon Steel	
Total	10



## SkillStack Micro-Certifications:

### 5. Apply GMAW-S, GMAW techniques



5.1 Safety Procedures

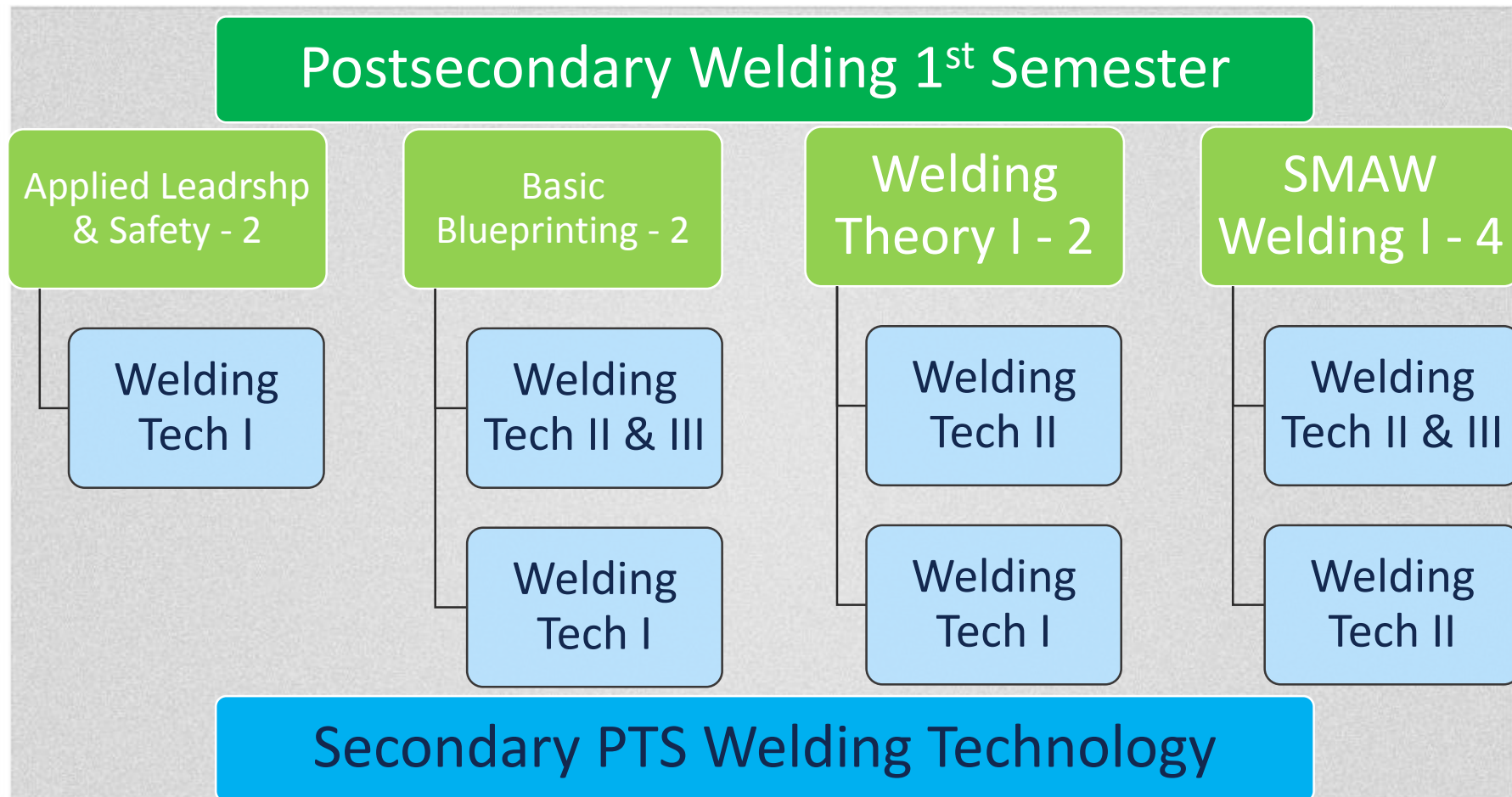


5.2 Produce Welds

- 5.1 Earn Safety Procedures Badge
- 5.2 Earn Produce Welds Badge

# Program Horizontal Alignment – Phase 3

16





## Secondary Instructor Training

- Annual Summer Conference Training
- Based and focused on annual TSA Performance
- Training designed and performed by postsecondary program instructors
- Beginning Summer Conference 2016

## Secondary Course Redesign

- Following Annual Summer Conference Training
- As required by Aligned postsecondary courses
- As required to meet Dual Credit expectations
- As required to meet Workplace Readiness Requirements



## Summer 2015 Schedule:

- **Jun 1-3:**

Welding **4 – 10 Credits**

Programming **3 – 12 Credits**

- **Jun 8-10:**

Collision Repair **6 – 10 Credits**

Auto Technology **3 – 8 Credits**

- **June 15-17:**

Computer Support **2 – 8 Credits**

Diesel Technology **2 – 6 Credits**

- **Jun 22-24:**

Admin Services **3 – 9 Credits**

Early Child **2 – 6 Credits**

- **Jun 29 – Jul 1:**

Web Des/Dev **2 – 6 Credits**

Precision Machining **5 – 12 Credits**

## 2015-16 Programs

- Agribusiness
- Animal Science
- Applied Accounting
- Graphic Design
- Culinary
- Drafting Technology
- Education Assistant
- Horticulture
- Hospitality Mgmt
- Marketing
- Networking Tech
- Pre-Engineering
- Residential Const
- Veterinary Tech



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